

**PATENT**  
**IBM Docket No. RAL920000070US1**

**Amendments to the Claims:**

1 - 5. (Canceled)

6. (Previously Presented) A method comprising:

providing a comprehensive set of bus transactions characterizing a bus architecture;

creating a configuration file specific to a DUT from said comprehensive set;

generating parameterized bus transactions from said configuration file;

providing a user interface which presents a user with possible transaction types for said bus architecture;

entering inputs corresponding to a specific DUT via said interface; and

processing said inputs to generate said configuration file wherein said processing comprises rules corresponding to said inputs in said configuration file to select bus transactions specific to said DUT.

7 - 12. (Canceled)

13. (Previously Presented) A computer-usable medium storing computer-executable instructions which when executed implement a process comprising:

applying selected parameters for verifying a DUT to a table including a set of transactions characterizing a bus architecture;

modifying entries in said table in accordance with said parameters;

generating a configuration file for verifying said DUT from said modified entries;

and

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generating rules from said modified entries for selecting bus transactions specific to said DUT.

14 - 15. (Canceled)

16. (Previously Presented) A system comprising:

a memory including computer-executable instructions;

a processor coupled to said memory for executing said instructions; and

a table including transactions characterizing a bus architecture;

wherein said instructions support a user interface for entering inputs to generate a specific DUT configuration file from said table, said configuration file including parameters and rules for verifying said DUT and process entries in said table modified by said inputs to generate a syntax for said configuration file.

17. (Original) The system of claim 16, wherein said instructions parse said syntax to generate a test case for verifying said DUT.

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18. (Currently Amended) ~~The method of claim 9 further comprising~~ A method comprising:
- providing a table having entries corresponding to a set of transactions of a bus architecture;
  - applying inputs corresponding to a specific DUT to said table;
  - modifying said entries using said inputs;
  - generating a configuration file for verifying said DUT from said modified entries;
  - providing a user interface which presents a user with possible transaction types for said bus architecture;
  - entering inputs corresponding to a specific DUT via said interface; and
  - processing said inputs to generate said configuration file.